### ****Week 1 – Planning & Setup****

**Day 1: Kickoff & Requirements**

* **Kickoff Meeting:** Introduce team members, set communication channels, and establish a project management tool (e.g., Trello, Jira, or GitHub Projects).
* **Requirements Gathering:** Define project scope, target audience, and key features for the website.
* **Tech Stack Decision:** Discuss and decide between PHP/HTML/CSS/JS or Node.js/Vue.js.
* **Assign Initial Roles:** Identify who will lead business proposal, frontend, backend, database, and documentation tasks.

**Day 2: Business Proposal & Initial Design**

* **Business Brainstorming:** Outline the value proposition, target market, competitive analysis, and revenue model.
* **Wireframing:** Begin rough sketches of the website layout and user flows.
* **Task Breakdown:** Divide tasks into manageable items for the upcoming sprints.

**Day 3: Environment & Documentation Setup**

* **Development Environment:** Set up repositories, local environments, and database (MySQL) connections.
* **Documentation Outline:** Create a structure for the business proposal and technical documentation (architecture, user stories, etc.).
* **Initial Architecture Discussion:** Outline system architecture (frontend-backend integration, API design, database schema).

**Day 4: Detailed Planning & Sprint Setup**

* **Finalize Business Proposal Draft (Outline):** Assign sections among team members.
* **Sprint Planning:** Break down development tasks into sprint items (e.g., user authentication, product catalog, shopping cart).
* **Finalize UI/UX Wireframes:** Agree on the initial design and layout.

**Day 5: Preparation for Development**

* **Technical Design Finalization:** Confirm key decisions on APIs, database schema, and integration points.
* **Setup Basic Project Structure:** Create initial project scaffolding for both frontend and backend.
* **Review & Adjust:** Quick review meeting to ensure everyone is aligned for Week 2.

### ****Week 2 – Development & Documentation****

**Day 6: Begin Core Development**

* **Database & API Setup:** Design the database schema in MySQL; start creating basic backend endpoints.
* **Frontend Kickoff:** Implement initial page layouts based on the wireframes.
* **Daily Standup:** Brief meeting to track progress.

**Day 7: Feature Development – Part 1**

* **Backend Features:** Develop core features like user authentication and product data retrieval.
* **Frontend Integration:** Start connecting UI elements with backend data.
* **Documentation:** Update technical documentation with design decisions and code structure.

**Day 8: Feature Development – Part 2**

* **E-commerce Functionality:** Implement shopping cart logic, checkout flow, and (if applicable) payment integration.
* **Parallel Work:** Continue refining business proposal content and update technical specs.
* **Daily Standup & Code Review:** Ensure consistency and address any blockers.

**Day 9: Integration & Testing Begins**

* **Integration:** Connect frontend and backend modules; work on API integration for dynamic content.
* **Testing:** Begin initial testing of features; fix any early bugs.
* **Documentation:** Refine user stories, technical diagrams, and update sprint progress.

**Day 10: Review & Refine**

* **Internal Testing:** Conduct a round of testing to identify and resolve bugs.
* **Code Reviews & Refinements:** Ensure coding standards are met and adjust features based on testing feedback.
* **Progress Meeting:** Reassess tasks for Week 3; adjust sprint backlog if needed.

### ****Week 3 – Finalization, Testing, & Deployment****

**Day 11: Final Feature Integration & Bug Fixes**

* **Feature Completion:** Wrap up any remaining development tasks (e.g., order confirmation, user profiles).
* **Bug Fixes:** Continue debugging issues identified in the previous week.
* **Documentation:** Finalize the remaining parts of both the business proposal and technical documents.

**Day 12: Comprehensive Testing & UI/UX Polishing**

* **System Testing:** Perform full system tests including unit tests and integration tests.
* **UI/UX Enhancements:** Tweak the design for responsiveness and usability improvements.
* **Review Documentation:** Ensure all documentation is up-to-date with the latest changes.

**Day 13: Final Quality Assurance & Optimization**

* **User Acceptance Testing:** Have team members or peers test the website as if they were end users.
* **Performance Optimization:** Optimize load times, responsiveness, and overall site performance.
* **Finalize Business Proposal:** Make last revisions and ensure the proposal meets all required criteria.

**Day 14: Deployment Preparation & Presentation Prep**

* **Deployment:** Prepare and deploy the website to a staging/production environment.
* **Demo Preparation:** Create a walkthrough or demo script of your website and business proposal.
* **Final Checks:** Ensure all documentation is complete and all features are working as expected.

**Day 15: Final Presentation & Handoff**

* **Presentation:** Deliver the final presentation/demo of your e-commerce website and submit the business proposal/documentation.
* **Project Handoff:** Conduct a final meeting to review what worked, discuss lessons learned, and document any remaining action items.
* **Retrospective:** Reflect on the process for continuous improvement in future projects.